

PATENT ABSTRACTS OF JAPAN

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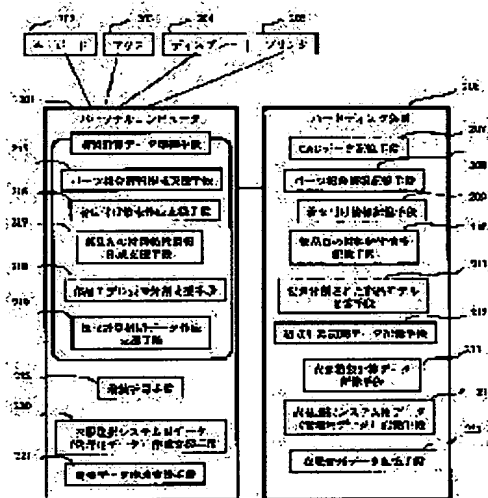
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(54) MANUFACTURING ASSISTING DEVICE OF ASSEMBLED STRUCTURE AND MANUFACTURE OF ASSEMBLED STRUCTURE

(57)Abstract:

PROBLEM TO BE SOLVED: To easily and exactly create data to be required for assembly calculation, etc., by creating data to be used for predicting calculation of an assembled state of assembled structure by converting it into a specified format based on manufacturing data, etc.

SOLUTION: Information about material classification, etc., is extracted from CAD data and required data for data base are created by a creation assisting means 220 for managing data. Joined data in the specified format are created by a creation assisting means 215 for parts joining information and dynamical characteristics data is set by using the material classification information by creation assisting means 217 for material characteristics information by every part. Data about a shape model of a coated object is inputted, a contact number to hold position relation is registered in both of parts of the assembled structure and the coated object model by a dressing information assisting means 216. Next, calculation to dress the assembled structure on the coated object is performed from a part model of clothing to be constituted of very small elements and actual dressing calculation is further performed in consideration of contact, etc. between the surface of a human body model and a clothing model by a dressing calculating means 222.



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